

DATE: May 2, 2006

TO: Region Engineers
Region Delivery Engineers
TSC Managers
Resident/Project Engineers
Region Construction Engineers

FROM: Larry E. Tibbits
Chief Operations Officer

John C. Friend
Engineer of Delivery

SUBJECT: Bureau of Highway Instructional Memorandum 2006-05
Materials Quality Assurance Procedures Manual Update

The Construction and Technology (C&T) Support Area has revised the *Materials Quality Assurance Procedures Manual*. All holders of record on file with MDOT's Publications Office will receive copies of the listed additions and revisions to the manual.

Current copies of the *Materials Quality Assurance Procedures Manual*, including revisions, may be ordered through the Publications Office at 517-322-1676, or by sending an e-mail request to MDOT-Publications@michigan.gov. It is also available to view, print, and download from MDOT's Web site under "Maps & Publications." Printed copies of this and other C&T publications will continue to be available through the Publications Office, and annual updates will be made via the instructional memorandum process. Only the most current content is available on the Web site. Superseded or deleted content is available only in printed format.

Table of Contents	Reprinted to include additional procedure.
Part A1	Scope and Objectives of the Quality Assurance Program – Revised to address the requirements for the calibration of all Troxler nuclear moisture/density gauges.
Part A12	Random Sampling for Quality Assurance/Quality Control Projects – Revised to reflect addition of procedure for sampling HMA loose mixture from the roadway using mini-stockpile.
Part E	Independent Assurance Test Procedures – Revised to update the calibration requirements for all Troxler nuclear moisture/density gauges.

Part F F909.06 Qualification Procedure for Class B Plastic Pipe – Added a new qualification procedure for manufacturers who want to have 12- to 24-inch diameter sewer and culvert plastic pipe added to the QPL list for a period of five years.

F914.07A Qualification Procedure for Bond Release Agents for Epoxy Coated Dowel Bars – Revised to reflect a new Michigan Test Method (MTM 614) procedure.

F918.06 Qualification Procedure for Light Weight Composite Handhole – Revised Subsection 2.2 to modify the structural capacity of the box and cover, and added the requirement that testing be in accordance with the Western Underground Committee, Guide 3.6, Non-Concrete Enclosures. Revised Subsection 2.3 to no longer require a sample to be submitted. Revised Subsection 3.1, reserving the right for MDOT to request a sample for testing.

Part G Material Acceptance Requirements – Added the type of certification document required to be submitted to C&T for materials with Approved Manufacturers in the remarks column. Additional revisions to this part are in the following table:

Specification Reference	Material Name	(NEW) Basis of Acceptance	Change Made and Reason for Change
908.05	Alternate Adjuster Gray Iron Castings for Manholes and Drainage Castings	QPL	New, add to Qualified Products List.
909.01	Adjusting Rings for Manholes and Drainage Structures. (Alternatives, Recycled Rubber)	QPL	New, add to Qualified Products List.
914.14D	Polyester Fiber (Waterproofing)	--	Remove material, not in 2003 Std Spec.
918.08C	Light Standards, Frangible Transformer Bases	QPL	New, add to Qualified Products List.
919	Steel Sleeves for Wood Posts	Gen. Cert.	Change from VI to Cert, for manufacturer to verify they meet specifications.
922.03E	Traffic Maintenance and Control, Temporary Concrete Barriers	Test Data Cert., See Remark	Change remarks; Contractor testing and Cert Verification, per MTM-716 & NCHRP 350. For JJ Easy Hook – Gen. Cert. No testing required.
Spec. Prov #7	Traffic Signal Mast Arm Pole and Mast Arm (Trunkline)	Fabrication Inspection	New, add to remarks; See QA Manual, Section D-16.

Questions concerning these revisions, or the schedule of future revisions, may be directed to the Engineer of Specifications at 517-322-5669.

Chief Operations Officer

Engineer of Delivery

BOHD:C/T:DP:kab

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